

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 B01J3/04

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J A23L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 463 078 A (NIPPON KOKAN KK) 20 February 1981 (1981-02-20) page 2, line 7 - line 15	2
A	-----	1, 16
A	WO 95/21690 A (ASEA BROWN BOVERI ; BERGMAN CARL (SE); GAERDIN MATS (SE)) 17 August 1995 (1995-08-17) cited in the application abstract; figures page 4, line 18 - line 24 page 5, line 15 - line 21 page 9, line 5 - line 22	1, 2, 16
A	----- FR 2 287 285 A (CREUSOT LOIRE) 7 May 1976 (1976-05-07) the whole document -----	1, 2, 16

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## ° Special categories of cited documents :

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- \*&\* document member of the same patent family

Date of the actual completion of the international search

8 October 2004

Date of mailing of the international search report

15/10/2004

Name and mailing address of the ISA

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
FR 2463078	A	20-02-1981	JP	56028347 A	19-03-1981
			FR	2463078 A1	20-02-1981
			IT	1146919 B	19-11-1986
WO 9521690	A	17-08-1995	SE	512788 C2	15-05-2000
			AT	193662 T	15-06-2000
			AU	692844 B2	18-06-1998
			AU	1828895 A	29-08-1995
			BR	9506776 A	14-10-1997
			CA	2182590 A1	17-08-1995
			DE	69517415 D1	13-07-2000
			DE	69517415 T2	21-12-2000
			EP	0744993 A1	04-12-1996
			ES	2148494 T3	16-10-2000
			JP	9509099 T	16-09-1997
			SE	9400498 A	15-08-1995
			WO	9521690 A1	17-08-1995
			US	5765465 A	16-06-1998
FR 2287285	A	07-05-1976	FR	2287285 A1	07-05-1976